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## WHAT IS CLAIMED IS:

- An isocyanate-reactive component useful for the production of a rigid closed cell polyurethane foam by a RIM process comprising:
  - a) from 0.5 to 30% by weight, based on total weight of isocyanate-reactive component, of a bio-based polyol,
  - from 5 to 80% by weight, based on total weight of isocyanate-reactive component, of an isocyanate-reactive material having a functionality of at least 1 and a number average molecular weight of from 400 to 10,000,
  - c) a chain extender or a crosslinking agent,
    - d) a blowing agent, and
    - e) a catalyst.
- The isocyanate-reactive component of Claim 1 in which up to 25% by weight of the total isocyanate reactive-component is the bio-based polyol.
- The isocyanate-reactive component of Claim 1 in which up to 20% by weight of the total isocyanate-reactive component is the bio-based polyol.
- The isocyanate-reactive component of Claim 1 in which at
   least 0.5% by weight of the total isocyanate-reactive component is the bio-based polyol.
  - The isocyanate-reactive component of Claim 1 in which at least 5% by weight of the total isocyanate-reactive component is the biobased polyol.
- The isocyanate-reactive component of Claim 1 in which the bio-based polyol is a blown soybean oil.
  - An isocyanate-reactive component useful for the production of a rigid closed cell polyurethane foam by a RIM process comprising:
    - a) at least 10% by weight, based on total weight of isocyanate reactive component, of a soybean oil based polyol,
    - from 5 to 80% by weight, based on total weight of isocyanate-reactive component of a polyether polyol having

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-34a functionality of from 2 to 8 and a number average
molecular weight of from 400 to 10,000.

- from 1 to 75% by weight, based on total weight of isocyanate-reactive component of a chain extender,
- d) water, and
- e) a catalyst.
- A RIM process for the production of a rigid, closedcell polyurethane foam comprising
- intimately mixing the isocyanate-reactive component of Claim 1 with an organic polyisocyanate in an amount such that the ratio of NCO to OH groups is from 0.8:1 to 1.3:1 and
- b) introducing the mixture from a) into a mold.
- 9. A RIM process for the production of a rigid, closed-cell polyurethane foam comprising:
- intimately mixing the isocyanate-reactive component of Claim 2 with an organic polyisocyanate in an amount such that the ratio of NCO to OH groups is from 0.8:1 to 1.3:1 and
- b) introducing the mixture from a) into a mold.
- 10. A RIM process for the production of a rigid, closed-cell polyurethane foam comprising:
- intimately mixing the isocyanate-reactive component of Claim 3 with an organic polyisocyanate in an amount such that the ratio of NCO to OH groups is from 0.8:1 to 1.3:1 and
- b) introducing the mixture from a) into a mold.
- 11. A RIM process for the production of a rigid, closed-cell polyurethane foam comprising:
- intimately mixing the isocyanate-reactive component of Claim 6 with an organic polyisocyanate in an amount such that the ratio of NCO to OH groups is from 0.8:1 to 1.3:1 and
- b) introducing the mixture from a) into a mold.
- 12. A RIM process for the production of a rigid, closed-cell polyurethane foam comprising:

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- intimately mixing the isocyanate-reactive component of Claim 7 with an organic polyisocyanate in an amount such that the ratio of NCO to OH groups is from 0.8:1 to 1.3:1 and
- b) introducing the mixture from a) into a mold.
- 5 A rigid, closed-cell polyurethane foam produced by the process of Claim 8.
  - 14. A rigid, closed-cell polyurethane foam produced by the process of Claim 9.
- 15. A rigid, closed-cell polyurethane foam produced by the10 process of Claim 10.
  - 16. A rigid, closed-cell polyurethane foam produced by the process of Claim 11.
  - 17. A rigid, closed-cell polyurethane foam produced by the process of Claim 12.